

Soft Panel for Aviation

Avionic Standards for MIL-STD-704F Power Group Supports Test Items

- ◆ SAC (Single Phase, 400Hz, 115V)
- ◆ TAC (Three Phase, 400Hz, 115V)
- ◆ SVF (Single Phase, Variable Frequency, 115V)
- ◆ TVF (Three Phase, Variable Frequency, 115V)
- ◆ SXF (Single Phase, 60Hz, 115V)
- ◆ LDC (Low Voltage DC, 28V)
- ◆ HDC (High Voltage DC, 270V)

◆ SAC (Single Phase, 400Hz, 115V)

SAC101	Load and Current Harmonic Measurements
SAC102	Steady State Limits for Voltage and Frequency
SAC104:1	Voltage Modulation
SAC104:2	Voltage Modulation
SAC104:3	Voltage Modulation
SAC105:1	Frequency Modulation
SAC105:2	Frequency Modulation
SAC105:3	Frequency Modulation
SAC108:1	DC Voltage Component
SAC108:2	DC Voltage Component
SAC109:1	Normal Voltage Transients
SAC109:2	Normal Voltage Transients
SAC109:3	Normal Voltage Transients
SAC109:4	Normal Voltage Transients
SAC110:1	Normal Frequency Transients
SAC110:2	Normal Frequency Transients
SAC110:3	Normal Frequency Transients
SAC201	Power Interrupt
SAC301	Abnormal Steady State Limits for Voltage and Frequency
SAC302:1	Abnormal Voltage Transients
SAC302:2	Abnormal Voltage Transients
SAC302:3	Abnormal Voltage Transients
SAC303	Abnormal Frequency Transients
SAC401	Emergency Steady State Limits for Voltage and Frequency
SAC601	Power Failure(Single Phase)

SAC603	Phase Reversal
--------	----------------

Index

◆ **TAC (Three Phase, 400Hz, 115V)**

TAC101	Three Phase Load and Current Harmonic Measurements
TAC102:1	Steady State Limits for Voltage and Frequency
TAC102:2	Steady State Limits for Voltage and Frequency
TAC103	Voltage Phase Difference
TAC104:1	Voltage Modulation
TAC104:2	Voltage Modulation
TAC104:3	Voltage Modulation
TAC105:1	Frequency Modulation
TAC105:2	Frequency Modulation
TAC105:3	Frequency Modulation
TAC108:1	DC Voltage Component
TAC108:2	DC Voltage Component
TAC109:1	Normal Voltage Transients
TAC109:2	Normal Voltage Transients
TAC109:3	Normal Voltage Transients
TAC109:4	Normal Voltage Transients
TAC110:1	Normal Frequency Transients
TAC110:2	Normal Frequency Transients
TAC110:3	Normal Frequency Transients
TAC201	Power Interrupt
TAC301	Abnormal Steady State Limits for Voltage and Frequency
TAC302:1	Abnormal Voltage Transients
TAC302:2	Abnormal Voltage Transients
TAC302:3	Abnormal Voltage Transients
TAC303	Abnormal Frequency Transients

TAC401	Emergency Steady State Limits for Voltage and Frequency
TAC601	Power Failure(Three Phase)
TAC602:1	One Phase and Two Phase Power Failures
TAC602:2	One Phase and Two Phase Power Failures
TAC603	Phase Reversal

◆ **SVF (Single Phase, Variable Frequency, 115V)**

SVF101	Load and Current Harmonic Measurements
SVF102	Steady State Limits for Voltage and Frequency
SVF104:1	Voltage Modulation
SVF104:2	Voltage Modulation
SVF104:3	Voltage Modulation
SVF104:4	Voltage Modulation
SVF104:5	Voltage Modulation
SVF104:6	Voltage Modulation
SVF104:7	Voltage Modulation
SVF104:8	Voltage Modulation
SVF104:9	Voltage Modulation
SVF104:10	Voltage Modulation
SVF104:11	Voltage Modulation
SVF104:12	Voltage Modulation
SVF105:1	Frequency Modulation
SVF105:2	Frequency Modulation
SVF105:3	Frequency Modulation
SVF105:4	Frequency Modulation
SVF108:1	DC Voltage Component
SVF108:2	DC Voltage Component
SVF108:3	DC Voltage Component
SVF108:4	DC Voltage Component-
SVF108:5	DC Voltage Component-
SVF108:6	DC Voltage Component-
SVF108:7	DC Voltage Component-

SVF108:8	DC Voltage Component-
SVF109:1	Normal Voltage Transients
SVF109:2	Normal Voltage Transients
SVF109:3	Normal Voltage Transients
SVF109:4	Normal Voltage Transients
SVF109:5	Normal Voltage Transients
SVF109:6	Normal Voltage Transients
SVF109:7	Normal Voltage Transients
SVF109:8	Normal Voltage Transients
SVF109:9	Normal Voltage Transients
SVF109:10	Normal Voltage Transients
SVF109:11	Normal Voltage Transients
SVF109:12	Normal Voltage Transients
SVF109:13	Normal Voltage Transients
SVF109:14	Normal Voltage Transients
SVF109:15	Normal Voltage Transients
SVF109:16	Normal Voltage Transients
SVF110:1	Normal Frequency Transients
SVF110:2	Normal Frequency Transients
SVF110:3	Normal Frequency Transients
SVF201:1	Power Interrupt
SVF201:2	Power Interrupt
SVF201:3	Power Interrupt
SVF201:4	Power Interrupt
SVF301	Abnormal Steady State Limits for Voltage and Frequency
SVF302:1	Abnormal Voltage Transients

SVF302:2	Abnormal Voltage Transients
SVF302:3	Abnormal Voltage Transients
SVF302:4	Abnormal Voltage Transients
SVF302:5	Abnormal Voltage Transients
SVF302:6	Abnormal Voltage Transients
SVF302:7	Abnormal Voltage Transients
SVF302:8	Abnormal Voltage Transients
SVF302:9	Abnormal Voltage Transients
SVF302:10	Abnormal Voltage Transients
SVF302:11	Abnormal Voltage Transients
SVF302:12	Abnormal Voltage Transients
SVF303:1	Abnormal Frequency Transients
SVF303:2	Abnormal Frequency Transients
SVF303:3	Abnormal Frequency Transients
SVF401	Emergency Steady State Limits for Voltage and Frequency
SVF601:1	Power Failure(Single Phase)
SVF601:2	Power Failure(Single Phase)
SVF601:3	Power Failure(Single Phase)
SVF601:4	Power Failure(Single Phase)
SVF603	Phase Reversal

◆ TVF (Three Phase, Variable Frequency, 115V)

TVF101	Load and Current Harmonic Measurements
TVF102:1	Steady State Limits for Voltage and Frequency
TVF102:2	Steady State Limits for Voltage and Frequency
TVF103:1	Voltage Phase Difference
TVF103:2	Voltage Phase Difference
TVF103:3	Voltage Phase Difference
TVF103:4	Voltage Phase Difference
TVF104:1	Voltage Modulation
TVF104:2	Voltage Modulation
TVF104:3	Voltage Modulation
TVF104:4	Voltage Modulation
TVF104:5	Voltage Modulation
TVF104:6	Voltage Modulation
TVF104:7	Voltage Modulation
TVF104:8	Voltage Modulation
TVF104:9	Voltage Modulation
TVF104:10	Voltage Modulation
TVF104:11	Voltage Modulation
TVF104:12	Voltage Modulation
TVF105:1	Frequency Modulation
TVF105:2	Frequency Modulation
TVF105:3	Frequency Modulation
TVF105:4	Frequency Modulation
TVF108:1	DC Voltage Component
TVF108:2	DC Voltage Component

TVF108:3	DC Voltage Component
TVF108:4	DC Voltage Component
TVF108:5	DC Voltage Component
TVF108:6	DC Voltage Component
TVF108:7	DC Voltage Component
TVF108:8	DC Voltage Component
TVF109:1	Normal Voltage Transients
TVF109:2	Normal Voltage Transients
TVF109:3	Normal Voltage Transients
TVF109:4	Normal Voltage Transients
TVF109:5	Normal Voltage Transients
TVF109:6	Normal Voltage Transients
TVF109:7	Normal Voltage Transients
TVF109:8	Normal Voltage Transients
TVF109:9	Normal Voltage Transients
TVF109:10	Normal Voltage Transients
TVF109:11	Normal Voltage Transients
TVF109:12	Normal Voltage Transients
TVF109:13	Normal Voltage Transients
TVF109:14	Normal Voltage Transients
TVF109:15	Normal Voltage Transients
TVF109:16	Normal Voltage Transients
TVF110:1	Normal Frequency Transients
TVF110:2	Normal Frequency Transients
TVF110:3	Normal Frequency Transients
TVF201:1	Power Interrupt

TVF201:2	Power Interrupt
TVF201:3	Power Interrupt
TVF201:4	Power Interrupt
TVF301	Abnormal Steady State Limits for Voltage and Frequency
TVF302:1	Abnormal Voltage Transients
TVF302:2	Abnormal Voltage Transients
TVF302:3	Abnormal Voltage Transients
TVF302:4	Abnormal Voltage Transients
TVF302:5	Abnormal Voltage Transients
TVF302:6	Abnormal Voltage Transients
TVF302:7	Abnormal Voltage Transients
TVF302:8	Abnormal Voltage Transients
TVF302:9	Abnormal Voltage Transients
TVF302:10	Abnormal Voltage Transients
TVF302:11	Abnormal Voltage Transients
TVF302:12	Abnormal Voltage Transients
TVF303:1	Abnormal Frequency Transients
TVF303:2	Abnormal Frequency Transients
TVF303:3	Abnormal Frequency Transients
TVF401:1	Emergency Steady State Limits for Voltage and Frequency
TVF401:2	Emergency Steady State Limits for Voltage and Frequency
TVF601:1	Power Failure(Three Phase)
TVF601:2	Power Failure(Three Phase)
TVF601:3	Power Failure(Three Phase)
TVF601:4	Power Failure(Three Phase)
TVF602:1	One Phase and Two Phase Power Failures

TVF602:2	One Phase and Two Phase Power Failures
TVF602:3	One Phase and Two Phase Power Failures
TVF602:4	One Phase and Two Phase Power Failures
TVF602:5	One Phase and Two Phase Power Failures
TVF602:6	One Phase and Two Phase Power Failures
TVF602:7	One Phase and Two Phase Power Failures
TVF602:8	One Phase and Two Phase Power Failures
TVF603	Phase Reversal

Index

◆ **SXF (Single Phase, 60Hz, 115V)**

SXF101	Load and Current Harmonic Measurements
SXF102	Steady State Limits for Voltage and Frequency
SXF104:1	Voltage Modulation
SXF104:2	Voltage Modulation
SXF104:3	Voltage Modulation
SXF105:1	Frequency Modulation
SXF105:2	Frequency Modulation
SXF105:3	Frequency Modulation
SXF108:1	DC Voltage Component
SXF108:2	DC Voltage Component
SXF109:1	Normal Voltage Transients
SXF109:2	Normal Voltage Transients
SXF109:3	Normal Voltage Transients
SXF109:4	Normal Voltage Transients
SXF110:1	Normal Frequency Transients
SXF110:2	Normal Frequency Transients
SXF110:3	Normal Frequency Transients
SXF201	Power Interrupt
SXF301	Abnormal Steady State Limits for Voltage and Frequency
SXF302:1	Abnormal Voltage Transients
SXF302:2	Abnormal Voltage Transients
SXF302:3	Abnormal Voltage Transients
SXF303	Abnormal Frequency Transients
SXF401	Emergency Steady State Limits for Voltage and Frequency
SXF601	Power Failure(Single Phase)

SXF603	Phase Reversal
--------	----------------



◆ LDC (Low Voltage DC, 28V)

LDC101	Load Measurements
LDC102	Steady State Limits for Voltage
LDC105:1	Normal Voltage Transients
LDC105:2	Normal Voltage Transients
LDC105:3	Normal Voltage Transients
LDC105:4	Normal Voltage Transients
LDC201	Power Interrupt
LDC301	Abnormal Steady State Limits for Voltage and Frequency
LDC302:1	Abnormal Voltage Transients
LDC302:2	Abnormal Voltage Transients
LDC302:3	Abnormal Voltage Transients
LDC401	Emergency Limits for Voltage
LDC501	Starting Voltage Transients
LDC601	Power Failure
LDC602	Polarity Reversal

◆ **HDC (High Voltage DC, 270V)**

HDC101	Load Measurements
HDC102	Steady State Limits for Voltage
HDC105:1	Normal Voltage Transients
HDC105:2	Normal Voltage Transients
HDC105:3	Normal Voltage Transients
HDC105:4	Normal Voltage Transients
HDC201	Power Interrupt
HDC301	Abnormal Steady State Limits for Voltage and Frequency
HDC302:1	Abnormal Voltage Transients
HDC302:2	Abnormal Voltage Transients
HDC302:3	Abnormal Voltage Transients
HDC401	Emergency Limits for Voltage
HDC501	Starting Voltage Transients
HDC601	Power Failure
HDC602	Polarity Reversal